If a warning light turns on or a warning buzzer sounds...

Calmly perform the following actions if any of the warning lights turn on or flash. If a light turns on or flashes, but then turns off, this does not necessarily indicate a malfunction in the system.

Stop the vehicle immediately. Continuing to drive the vehicle may be dangerous.

The following warning indicates a possible problem in the brake system. Immediately stop the vehicle in a safe place and contact your Lexus dealer.

Warning light	Warning light/Details
 (U.S.A.)  (Canada)	**Brake system warning light (warning buzzer)*** • Low brake fluid • Malfunction in the brake booster system This light also comes on when the parking brake is not released. If the light turns off after the parking brake is fully released the system is operating normally.

***: Parking brake engaged warning buzzer:**

→P. 339

Stop the vehicle immediately.

The following warnings indicate the possibility of damage to the vehicle that may lead to an accident. Immediately stop the vehicle in a safe place and contact your Lexus dealer.

Warning light	Warning light/Details
	**Charging system warning light** Indicates a malfunction in the vehicle's charging system.

Have the vehicle inspected by your Lexus dealer immediately.

Failing to investigate the cause of the following warnings may lead to the system operating abnormally and possibly cause an accident. Have the vehicle inspected by your Lexus dealer immediately.

Warning light	Warning light/Details
 (U.S.A.)  (Canada)	**Malfunction indicator lamp** Indicates a malfunction in: • The electronic engine control system; • The electronic throttle control system; or • The electronic automatic transmission control system.
	**SRS warning light** Indicates a malfunction in: • The SRS airbag system; or • The seat belt pretensioner system.

Warning light	Warning light/Details
ABS (U.S.A.) ABS (Canada)	**ABS warning light** Indicates a malfunction in: • The ABS; or • The brake assist system.
P/S	**Electric power steering system warning light** • Indicates a malfunction in the EPS (Electric Power Steering) system.
PCS	**Pre-collision system warning light (if equipped)** • Indicates a malfunction in the pre-collision system.

Have the malfunction repaired immediately.

After taking the specified steps to correct the suspected problem, check that the warning light turns off.

Warning light	Warning light/Details	Correction procedure
	**Open door warning light (warning buzzer)*1** Indicates that a door or a trunk is not fully closed.	Check that all doors and the trunk are closed.
	**Low fuel level warning light** Remaining fuel (Approximately 2.9 gal. [11 L, 2.4 Imp.gal.] or less)	Refuel the vehicle.
	**Driver's seat belt reminder light (warning buzzer)*2** Warns the driver to fasten his/her seat belt.	Fasten the seat belt.

Warning light	Warning light/Details	Correction procedure
	**Front passenger's seat belt reminder light (warning buzzer)*2** Warns the front passenger to fasten his/her seat belt.	Fasten the seat belt.
	**Low tire pressure warning light**	
	Indicates low tire pressure.	Adjust the tire pressure.
	A malfunction in the tire pressure warning system.	→P. 335
	**Master warning light** A buzzer sounds and the warning light comes on and flashes to indicate that the master warning system has detected a malfunction.	→P. 334

***1:Open door warning buzzer:**

→P. 339

***2:Driver's and front passenger's seat belt reminders:**

The driver's and front passenger's seat belts reminder sounds to alert the driver and front passenger that his or her sear belt is not fastened. The buzzer sounds intermittently for 10 seconds after the vehicle has reached a speed of at least 12 mph (20 km/h). Then, if the seat belt is still unfastened, the buzzer will sound in a different tone for 20 more seconds.

If the electronic engine control system warning light comes on while driving

First check the following:

- Is your vehicle low on gas?
  If it is, refuel the vehicle immediately.
- Is the fuel tank cap loose?
  If it is, tighten it securely.

The light will go off after taking several driving trips.
If the light does not go off even after several trips, contact your Lexus dealer as soon as possible.

Front passenger detection sensor and passenger seat belt reminder

- If luggage is placed on the front passenger seat, the front passenger detection sensor may cause the warning light to flash, even if a passenger is not sitting in the seat.
- If a cushion is placed on the seat, the sensor may not detect a passenger, and the warning light may not operate properly.

If a warning message is displayed

If a warning is shown on the multi-information display, stay calm and perform the following actions:



1 Master warning light

The master warning light also comes on or flashes in order to indicate that a message is currently being displayed on the multi-information display.

2 Multi-information display

If any of the warning light turns on again after performing the following actions, contact your Lexus dealer.

Stop the vehicle immediately.

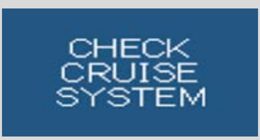
A buzzer sounds and a warning message is shown on the multi-information display. The following warnings indicate the possibility of damage to the vehicle that may lead to an accident. Immediately stop the vehicle in a safe place and contact your Lexus dealer.

Warning message	Details
  (Flashing)	**Indicates an abnormal engine oil pressure.** The warning light may turn on if the engine oil pressure is too low.

Have the vehicle inspected by your Lexus dealer immediately.

A buzzer sounds and a warning message is shown on the multi-information display. Failing to investigate the cause of the following warnings may lead to the system operating abnormally and possibly cause an accident. Have the vehicle inspected by your Lexus dealer immediately.

Warning message	Details
  (If equipped)	**Indicates a malfunction in the AWD system.**
  (Flashing and then continuously on) 	**Indicates a malfunction in the tire pressure warning system. (→P. 276)**
  (Flashing)	**Indicates a malfunction in the steering lock system.**

Warning message	Details
   (If equipped)	**Indicates a malfunction in the pre-collision system.**
  (If equipped)	**Indicates Lexus parking assist-sensor malfunction.** The malfunctioning assist-sensor is shown flashing on the display.
 (If equipped)  (Flashing) 	**Indicates a malfunction in the radar cruise control system.** Stop the vehicle in a safe place. Switch the engine switch to OFF and then to IG-ON mode again to reset the cruise control system.

If the tire pressure warning system is inoperative

The tire pressure warning system may become inoperative in the following circumstances:

- The vehicle's wheels have not been equipped with tire pressure sensors.
- The sensor batteries are dead.
- If wireless frequencies the same as those used by the sensors are being used by other facilities or equipment in the vicinity of the vehicle.
- If snow or ice has collected on or around the wheel or wheelhouse.
- If non-genuine wheels are used on the vehicle.
- When driving with tire chains.
- If wireless devices or other equipment that operate on similar frequencies to those used by the sensors are being used
- If the select switch is used to select the wrong set of sensors (wheels)
- If the tire pressure was not set to the specified level when the system was initialized

NOTICE

Precaution when installing a different tire

When a tire of a different specification or maker is installed, the tire pressure warning system may not operate properly.

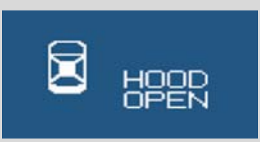
Have the vehicle inspected by your Lexus dealer immediately.

Failing to investigate the cause of the following warning may lead to the system operating abnormally and possibly cause an accident. Have the vehicle inspected by your Lexus dealer immediately.

Warning message	Details
 	Indicates a malfunction in the TRAC, VSC, ABS, BA or hill-start assist control systems.

Have the malfunction repaired immediately.

A buzzer sounds and a warning message is shown on the multi-information display. After taking the specified steps to correct the suspected problem, check that the warning message turns off.

Warning message	Details	Correction procedure
   	**Indicates that one or more of the doors is not fully closed.** The system also indicates which doors are not fully closed.  flashes and a buzzer sounds to indicate that one or more of the doors is not fully closed (with the vehicle having reached a speed of 3 mph [5 km/h]).	Make sure that all of the doors are closed.
	**Indicates that the hood is not fully closed.**  flashes and a buzzer sounds to indicate that hood is not fully closed (with the vehicle having reached a speed of 3mph [5km/h]).	Close the hood.

Warning message	Details	Correction procedure
TRUNK OPEN	**Indicates that the trunk is not fully closed.** flashes and a buzzer sounds to indicate that trunk is not fully closed (with the vehicle having reached a speed of 3mph [5km/h]).	Close the trunk.
MOONROOF OPEN (Flashing)	**Indicates that the moon roof is not fully closed (with the engine switch OFF and the driver's door opened).**	Close the moon roof.
PARK BRAKE (Flashing)	**Indicates that the parking brake is still engaged (with the vehicle having reached a speed of more than 3 mph [5 km/h]).**	Release the parking brake.
LOW WASHER FLUID	**Indicates that the washer fluid level is low.**	Add washer fluid.

Warning message	Details	Correction procedure
LOW ENGINE OIL LEVEL 	Indicates that engine oil level is low.	Check the level of engine oil, and add if necessary.
OIL MAINT REQD SOON  (U.S.A. only)	Indicates that the engine oil is scheduled to be changed. Comes on approximately 4500 miles (7200 km) after the engine oil is changed. (The indicator will not work properly unless the oil maintenance data has been reset).	Check and the engine oil, and change if necessary.
OIL MAINT REQD  (U.S.A. only)	Indicates that the engine oil should be changed. Comes on approximately 5000 miles (8000 km) after the engine oil is changed (and the oil maintenance data has been reset).	Check and change the engine oil.

Warning message	Details	Correction procedure
LOW TIRE	**Indicates low tire pressure.**	Check the tire pressure, and adjust to the appropriate level.
PCS NOT AVAILABLE NOW PCS (Flashing) (If equipped)	**Indicates that the pre-collision system is not currently functional.**	Clean the grille and the sensor. This message appears when the pre-collision system is hot. In this case, wait until the system cools down.
CLEAN SONAR (If equipped)	**Indicates that Lexus parking assist-sensor is dirty or covered with ice.**	Clean the sensor.
CLEAN RADAR SENSOR (If equipped) CRUISE (Flashing)	**Indicates that the radar cruise control sensor is dirty or covered with ice.**	Clean the sensor.

Warning message	Details	Correction procedure
 (Flashing and then continuously on) (If equipped)  (Flashing) 	**Indicates that the radar cruise control system is unable to judge vehicle-to-vehicle distance.**	• Switch the driving mode to either the normal or PWR mode. • If the windshield wipers are on, turn them off or set them to either the intermittent or the slow mode.
 (Flashing) (If equipped)	**Indicates that your vehicle is nearing the vehicle ahead (in radar cruise mode).**	Slow the vehicle by applying the brakes.

Changing the engine oil (U.S.A. only)

Make sure to reset the oil change system. (→P. 264)

Warning light display in radar cruise mode

In the following cases, the warning light may not be displayed even if vehicle-to-vehicle distance closes.

- When your vehicle and the vehicle ahead are traveling at the same speed or the vehicle ahead is traveling more quickly than your vehicle
- When the vehicle ahead is traveling at a very low speed
- Immediately after cruise control speed is set
- At the instant the accelerator pedal is depressed

CAUTION

Maintenance of the tires

Each tire, including the spare (if provided), should be checked monthly when cold and inflated to the inflation pressure recommended by the vehicle manufacturer on the vehicle placard or tire inflation pressure label (tire and load information label). (If your vehicle has tires of a different size than the size indicated on the vehicle placard or tire inflation pressure label [tire and load information label], you should determine the proper tire inflation pressure for those tires.)

As an added safety feature, your vehicle has been equipped with a tire pressure monitoring system (TPMS-tire pressure warning system) that illuminates a low tire pressure telltale (low tire pressure warning light) when one or more of your tires is significantly under-inflated. Accordingly, when the low tire pressure telltale (low tire pressure warning light) illuminates, you should stop and check your tires as soon as possible, and inflate them to the proper pressure. Driving on a significantly under-inflated tire causes the tire to overheat and can lead to tire failure. Under-inflation also reduces fuel efficiency and tire tread life, and may affect the vehicle's handling and stopping ability.

Please note that the TPMS (tire pressure warning system) is not a substitute for proper tire maintenance, and it is the driver's responsibility to maintain correct tire pressure, even if under-inflation has not reached the level to trigger illumination of the TPMS low tire pressure telltale (low tire pressure warning light).

Have the malfunction repaired immediately.

After taking the specified steps to correct the suspected problem, check that the warning light turns off.

Interior buzzer	Exterior buzzer	Warning message	Details	Correction procedure
Once	—	KEY IS NOT DETECTED (Comes on for 8 seconds.)  (Flashing)	Indicates that the electronic key is not present when attempting to start the engine.	Confirm the location of the electronic key.
Once	3 times	KEY IS NOT DETECTED  (Flashing)	Indicates that a door other than the driver's door has been opened or closed with the engine switch OFF and the electronic key outside of the detection area.	Confirm the location of the electronic key.

Interior buzzer	Exterior buzzer	Warning message	Details	Correction procedure
Once	3 times	KEY IS NOT DETECTED (For vehicles with an automatic transmission)  (Flashing)	Indicates that the driver's door has been opened or closed with the shift lever in P, the engine switch in any mode other than OFF and the electronic key outside of the detection area.	Turn the engine switch OFF or confirm the location of the electronic key.
Once	Continuous	SHIFT TO P RANGE KEY IS NOT DETECTED (Displayed alternately) (For vehicles with an automatic transmission)  (Flashing)	Indicates that the driver's door has been opened or closed (with the shift lever out of in P, the engine switch in any mode other than OFF and the electronic key outside of the detection area).	• Shift the shift lever to P. • Confirm the location of the electronic key.
Once	—	LOW KEY BATTERY  (Flashing)	Indicates that the key battery is low.	Replace the battery. (→P. 293)

Interior buzzer	Exterior buzzer	Warning message	Details	Correction procedure
Once	—	 (For vehicles with an automatic transmission)	Indicates that a door has been opened or closed and the engine switch has been switched twice to ACC mode from OFF.	Press the engine switch while applying the brakes.
Once	—	 (For vehicles with a manual transmission)	Indicates that a door has been opened or closed and the engine switch has been switched twice to ACC mode from OFF.	Press the engine switch while depressing the clutch pedal.
Once	—	  (Flashing)	Indicates that the steering lock has not released within 3 seconds of pressing the engine switch.	Press the engine switch again while turning the steer-ing wheel with the brake pedal depressed.

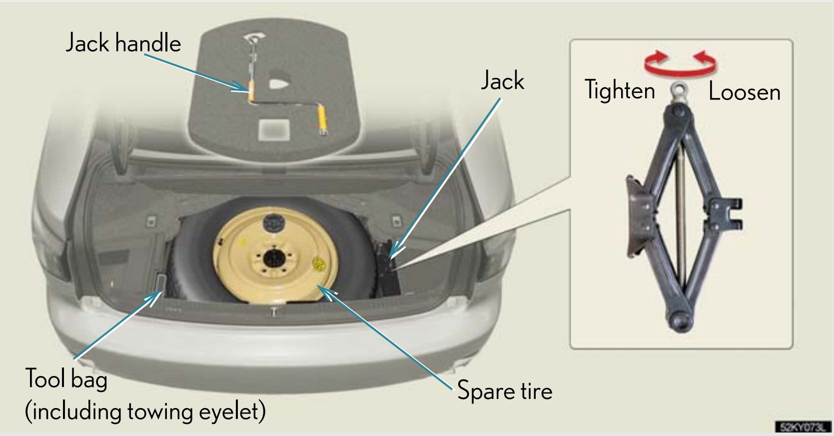
If you have a flat tire

Remove the flat tire and replace it with the spare provided.

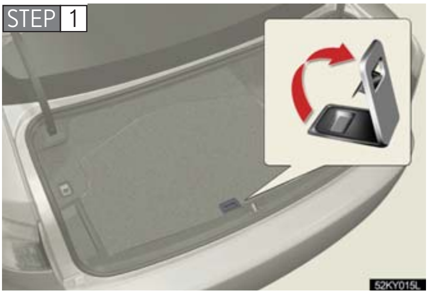
Before jacking up the vehicle

- Stop the vehicle on a hard, flat surface.
- Set the parking brake.
- Shift the shift lever to P (automatic) or R (manual).
- Stop the engine.
- Turn on the emergency flashers.

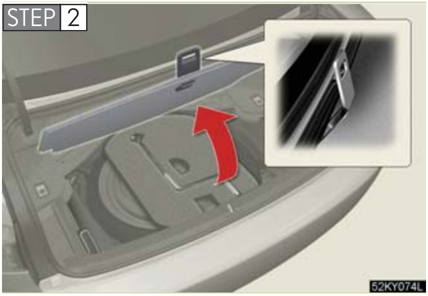
Location of the spare tire, jack and tools



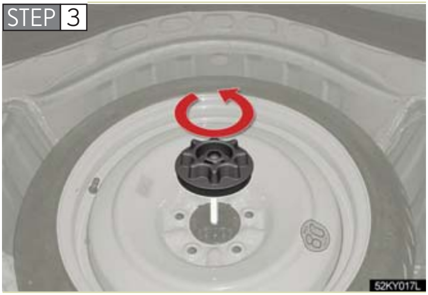
Taking out the spare tire



Lift up the hook of the panel on the trunk floor.

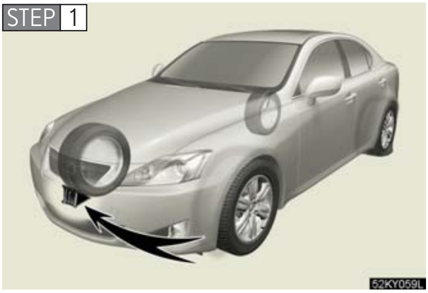


Secure the panel using the hook provided.



Loosen the center fastener that secures the spare tire.

Replacing a flat tire

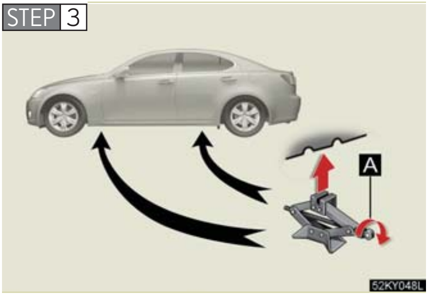


Chock the tires.

Flat tire		Wheel chock positions
Front	Left-hand side	Behind the rear right-hand side tire
	Right-hand side	Behind the rear left-hand side tire
Rear	Left-hand side	In front of the front right-hand side tire
	Right-hand side	In front of the front left-hand side tire



Slightly loosen the wheel nuts (one turn).



Turn the tire jack portion "A" by hand until the notch of the jack is in contact with the jack point.



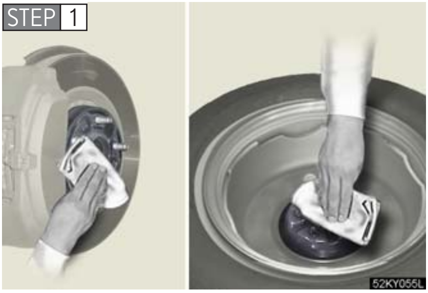
Raise the vehicle until the tire is slightly raised off the ground.



Remove all the wheel nuts and the tire.

When resting the tire on the ground, place the tire so that the wheel design faces up to avoid scratching the wheel surface.

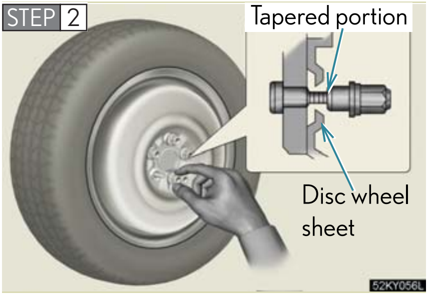
Installing the spare tire



Remove any dirt or foreign matter from the wheel contact surface.

If foreign matter is on the wheel contact surface, the wheel nuts may loosen while the vehicle is in motion, and the tire may come off the vehicle.

STEP 2



Install the spare tire and loosely tighten each nut by hand to approximately the same amount.

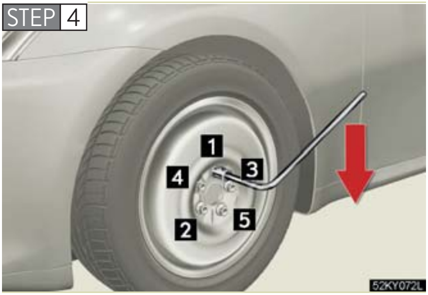
Tighten the wheel nuts until the tapered portion comes into loose contact with the disc wheel sheet.

STEP 3



Lower the vehicle.

STEP 4



Firmly tighten each nut two or three times in the order shown in the illustration.

Tightening torque:
10.5 kgf•m (103 N•m, 76 ft•lbf)

STEP 5 Stow the flat tire, tire jack and all tools.

n The compact spare tire

- l The compact spare tire is identified by the label TEMPORARY USE ONLY on the tire sidewall.
  Use the compact spare tire temporarily only in an emergency.
- l Make sure to check the tire pressure of the compact spare tire. (→P. 378)

n If you have a flat rear tire on a road covered with snow or ice

Install the compact spare tire on the front of the vehicle. Perform the following steps and fit tire chains to the rear tires.

STEP 1 Replace a front tire with the compact spare tire.

STEP 2 Replace the flat rear tire with the tire removed from the front of the vehicle.

STEP 3 Fit tire chains to the rear tires.

n After completing the tire change

The tire pressure warning system must be reset. (→P. 277)

⚠ CAUTION

Using the tire jack

Improper use of the tire jack may lead to death or injuries due to the vehicle suddenly falling off the jack.

- Do not use the tire jack for any purpose other than replacing tires or installing and removing tire chains.
- Only use the tire jack that comes with this vehicle for replacing a flat tire. Do not use it on other vehicles, and do not use other tire jacks for replacing tires on this vehicle.
- Always check that the tire jack is securely set to the jack point.
- Do not put any part of your body under the vehicle supported by a jack.
- Do not start or run the engine while your vehicle is supported by the jack.
- Do not raise the vehicle while someone is in it.
- When raising the vehicle, do not put an object on or under the jack.
- Do not raise the vehicle to a height greater than that required to replace the tire.
- Use a jack stand if it is necessary to get under the vehicle.

Take particular care when lowering the vehicle to ensure that no one working on or near the vehicle may be injured.

Replacing a flat tire

Observe the following precautions to reduce the risk of injury.

- Never use oil or grease on the wheel bolts or wheel nuts. The oil or grease can cause the wheel nuts to loosen, causing a serious accident. Remove any oil or grease on the wheel bolts or wheel nuts.
- Have the wheel nuts tightened with a torque wrench to 10.5 kgf•m (103 N•m, 76 ft•lbf) as soon as possible after changing wheels. Failure to follow these precautions could cause the nuts to loosen and the wheels may fall off, which could lead to an accident causing death or serious injury.

CAUTION

When using the spare tire

- Remember that your spare tire is specifically designed for use with your vehicle. Do not use your spare tire on another vehicle.
- Do not use two spare tires simultaneously.
- Replace the spare tire with a standard tire as soon as possible.
- Avoid sudden acceleration, deceleration and braking, as well as sharp cornering.

Speed limit when using the compact spare tire

Do not drive at speeds in excess of 50 mph (80 km/h) when a compact spare tire is installed on the vehicle.

The compact spare tire is not designed for driving at high speeds. Failing to observe this precaution may lead to an accident.

NOTICE

Do not drive the vehicle with a flat tire.

Do not continue driving with a flat tire.
Driving even a short distance with a flat tire can damage the tire and the wheel beyond repair.

Be careful when driving over bumps with the compact spare tire installed on the vehicle.

The vehicle becomes lower when driving with the compact spare tire compared to when driving with standard tires. Be careful when driving over uneven road surfaces.

Driving with tire chains and the compact spare tire

Do not fit tire chains to the compact spare tire.
Tire chains may damage the vehicle body and adversely affect driving performance.

If the engine will not start

If the engine will not start, even though correct starting procedures are being followed (→P. 89), consider each of the following points.

The engine will not start even when the starter motor operates normally.

One of the following may be the cause of the problem.

- There may not be sufficient fuel in the vehicle's tank.
  Add fuel to the vehicle.
- The engine may be flooded.
  Try to restart the engine once more following correct starting procedures (→P. 89).
- There may be a malfunction in the engine immobilizer system. (→P. 50)

The starter motor turns over slowly, the interior lights and headlights are dim, or the horn does not sound or sounds at a low volume.

One of the following may be the cause of the problem.

- The battery may be discharged. (→P. 362)
- The battery terminal connections may be loose or corroded.

The starter motor does not turn over, the interior lights and headlights do not turn on, or the horn does not sound.

One of the following may be the cause of the problem.

- One or both of the battery terminals may be disconnected.
- The battery may be discharged. (→P. 362)
- There may be a malfunction in the steering lock system.

Contact your Lexus dealer if the problem cannot be repaired, or if repair procedures are unknown.

If the shift lever cannot be shifted from P

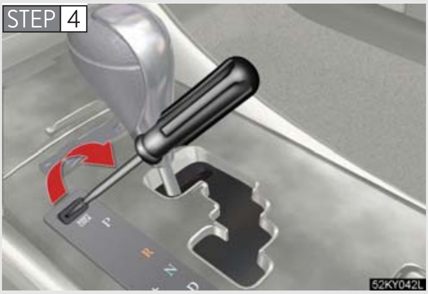
If the shift lever cannot be shifted with your foot on the brake, there may be a problem with the shift lock system (a system to prevent accidental operation of the shift lever). Have the vehicle inspected by your Lexus dealer immediately.
The following steps may be used as an emergency measure to ensure that the shift lever can be shifted.

STEP 1 Set the parking brake.

STEP 2 Turn the engine switch to the ACC mode.

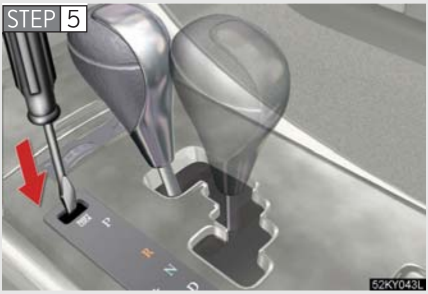
STEP 3 Depress the brake pedal.

STEP 4



Pry the cover up with a flathead screwdriver or equivalent.

STEP 5



Press the shift lock override button.

The shift lever can be shifted while the button is pressed.

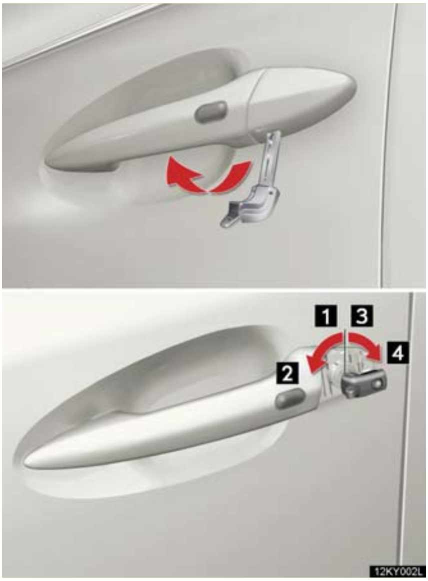
If you lose your keys

New genuine Lexus keys can be made by your Lexus dealer using one of the other keys or the key number stamped on your key number plate.

When the electronic key battery is discharged

If the electronic key battery is discharged, the doors and trunk can be opened by the mechanical key. The engine can be still started by following the procedure.

Locking and unlocking the doors, unlocking the trunk and key linked functions



▶ Doors

Remove the cover on the driver's door handle using the mechanical key in order to perform the following operations.

1 Locks all doors

2 Closes the windows/moon roof (turn and hold)

3 Unlocks the door

Turning the key rearward unlocks the driver's door. Turning the key once again unlocks the other doors.

4 Opens the windows/moon roof (turn and hold)

Return the cover to the original position after use.



▶ Trunk

Turn the mechanical key clockwise to open.

Starting the engine

STEP 1 For vehicles with an automatic transmission: Put the shift lever in P and apply the brakes.
For vehicles with a manual transmission: Depress the clutch pedal.

STEP 2



Hold the electronic key close to the engine switch (within 0.4 in. [10 mm]). Make sure that the button side of the key is facing away from the engine switch.

An alarm will sound to indicate that the start function cannot detect the key with the depleted battery if any of the doors will be opened and closed while this operation.

STEP 3 For vehicles with an automatic transmission: Press the engine switch within 5 seconds [after the buzzer sounds], keeping the brake pedal depressed.
For vehicles with a manual transmission: Press the engine switch within 5 seconds [after the buzzer sounds], keeping the clutch pedal depressed.

In the event that the engine still cannot be started, contact your Lexus dealer.

n **Replacing the key battery**

As this procedure is the temporary measure, it is recommended that the electronic battery be replaced immediately. (→P. 293)

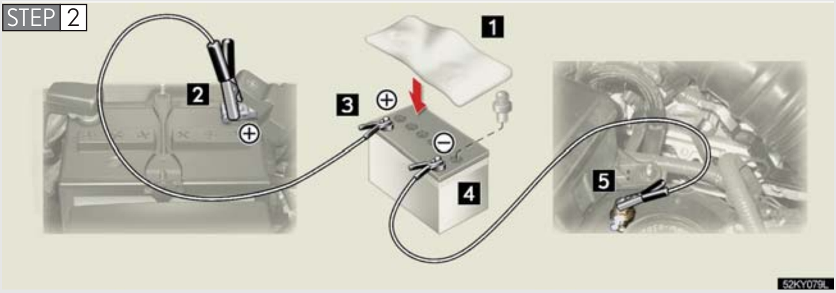
If the vehicle battery is discharged

The following procedures may be used to start the engine if the vehicle's battery is discharged.
You can call your Lexus dealer, Roadside Assistance or Lexus Customer Service Assistance.

If you have a set of jumper (or booster) cables and a second vehicle with a 12-volt battery, you can jump start your Lexus following the steps below.

STEP 1 Remove the engine compartment covers. (→P. 263)

STEP 2



Connecting the jumper cables.

1 If required, remove all vent plugs from the booster battery. Lay a cloth over the open vents on the booster battery. (This helps reduce the explosion hazard, personal injuries and burns.)

2 Positive (+) battery terminal on your vehicle

3 Positive (+) battery terminal on the second vehicle

4 Negative (-) battery terminal on the second vehicle

5 Connect the jumper cable to ground on your vehicle as shown in the illustration.

STEP 3 Start the engine of the second vehicle. Increase the engine speed slightly and maintain at that level for approximately 5 minutes to recharge the battery of your vehicle.

STEP 4 Open and close any of the doors with the engine switch OFF.

STEP 5 Maintain the engine speed on the second vehicle and turn the ignition switch to the IG-ON mode, then start the vehicle's engine.

STEP 6 Once the vehicle's engine has started, remove the jumper cables in the exact reverse order in which they were connected.

Once the engine starts, have the vehicle checked at your Lexus dealer as soon as possible.

Avoiding a discharged battery

- Turn off the headlights and the audio system while the engine is turned off.
- Turn off any unnecessary electrical components when the vehicle is running at a low speed for an extended period, such as in heavy traffic, etc.

When the battery is removed or discharged

The power windows and tire pressure warning system must be initialized. (→P. 41)

CAUTION

Avoiding battery fires or explosions

Observe the following precautions to prevent accidentally igniting the flammable gas that may be emitted from the battery.

- Make sure the jumper cable is connected to the correct terminal and that it is not unintentionally in contact with any part other than the intended terminal.
- Do not allow the jumper cables to come into contact with the "+" and "-" terminals.
- Do not allow open flame or use matches, cigarette lighters or smoke near the battery.

CAUTION

Battery precautions

The battery contains poisonous and corrosive acidic electrolyte, while related parts contain lead and lead compounds. Observe the following precautions when handling the battery.

- When working with the battery, always wear safety glasses and take care not to allow any battery fluids (acid) to come into contact with skin, clothing or the vehicle body.
- Do not lean over the battery
- In the event that battery fluid comes into contact with the skin or eyes, immediately wash the affected area with water and seek medical attention.
  Place a wet sponge or cloth over the affected area until medical attention can be received.
- Always wash your hands after handling the battery support, terminals, and other battery-related parts.
- Do not allow children near the battery.

NOTICE

To prevent damaging the vehicle

Do not pull- or push-start the vehicle, because the three-way catalytic converter may overheat and become a fire hazard.

When handling jumper cables

Be careful that the jumper cables do not become tangled in the cooling fan or any of the belts when connecting or disconnecting them.

If your vehicle overheats

If your engine overheats:

STEP 1 Stop the vehicle in a safe place and turn off the automatic air conditioning system.

STEP 2 Check to see if steam is coming out from under the hood.

If you see steam:

Stop the engine and carefully lift the hood.

If you do not see steam:

Leave the engine running and carefully lift the hood.

STEP 3 Remove the engine compartment cover. (→P. 263)

STEP 4 Check to see if the cooling fan is operating.

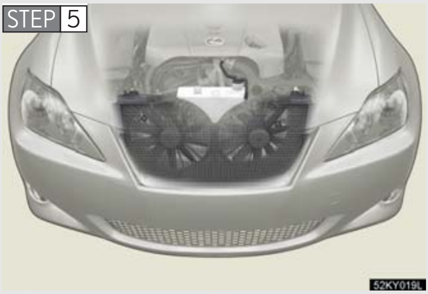
If the fan is operating:

Wait until the temperature of the engine (shown on the instrument cluster) begins to fall and then stop the engine.

If the fan is not operating:

Stop the engine immediately and call your local Lexus dealer.

STEP 5



After the engine has cooled down sufficiently, check the engine coolant level and inspect the radiator core (radiator) for any leaks.



Add engine coolant if required.

Water can be used in an emergency measure if engine coolant is unavailable. (→P. 374)

Have the vehicle checked at your nearest Lexus dealer as soon as possible.

Overheating

If you observe the following, your vehicle may be overheating.

- The engine coolant temperature gauge enters the red zone or a loss of power is experienced.
- Steam is coming from under the hood.

⚠ CAUTION

To prevent an accident or injury when inspecting under the hood of your vehicle

- Keep hands and clothing away from the fan and other belts while the engine is running.
- Do not loosen the radiator cap while the engine and radiator are hot.
  Serious injury, such as burns, may result from hot coolant and steam released under pressure.

⚠ NOTICE

When adding engine coolant

Wait until the engine has cooled down before adding engine coolant.
When adding coolant, do so slowly. Adding cool coolant to a hot engine too quickly can cause damage to the engine.

If the vehicle becomes stuck

Carry out the following procedures if the tires spin or the vehicle becomes stuck in mud, dirt, or snow.

- Stop the engine. Set the parking brake and put the selector lever in P (vehicles with an automatic transmission) or N (vehicles with a manual transmission).
- Remove the mud, snow, or sand from around the stuck tire.
- Place wood, stones or some other material to help provide traction under the tires.
- Restart the engine.
- For 2WD vehicles only: Turn the traction control OFF. (→ P. 141)
- Carefully apply the accelerator to free the vehicle.

CAUTION

When attempting to free a stuck vehicle

If you choose to rock the vehicle back and forth to free it, make sure the surrounding area is clear, to avoid striking other vehicles, objects or persons. The vehicle may also lunge forward or lunge back suddenly as it becomes free. Use extreme caution.

When shifting the shift lever

With automatic transmission vehicles, be careful not to shift the shift lever with the accelerator pedal depressed.
This may lead to unexpected rapid acceleration of the vehicle that may cause an accident and result in death or serious injury.

NOTICE

To avoid damaging the transmission and other components

- Avoid spinning the wheels and do not rev the engine.
- If the vehicle remains stuck after trying these procedures, the vehicle may require towing to be freed.